

April 8, 2003

**RE: R.R. Donnelley & Sons Company 107-17255-00052**

TO: Interested Parties / Applicant

FROM: Paul Dubenetzky  
Chief, Permits Branch  
Office of Air Quality

## **Notice of Decision - Approval**

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures

April 8, 2003

Mr. Gary Calleo  
R. R. Donnelley & Sons Company  
1009 Sloan Street  
Crawfordsville, IN 47933

Re: 107-17255  
Third Administrative Amendment to  
Part 70 No.: T107-5963-00052

Dear Mr. Calleo:

R. R. Donnelley & Sons Company was issued a Part 70 permit on June 21, 2002, for a book printing and binding operation. A letter requesting changes to this permit was received on February 20, 2003. Pursuant to the provisions of 2-7-11 the permit is hereby administratively amended as follows:

R. R. Donnelley & Sons Company has proposed replacing one of the baghouses in existing Dust Collector #1(S) at the south plant with a new cyclone and baghouse for particulate control.

The proposed replacement will not generate an increase in emissions from the units it controls and will not generate any increases in production or emissions from any other emission units at the source. In addition, there are no changes to any existing requirements that are necessary and there are no applicable requirements that are triggered.

Therefore, the proposed replacement will be incorporated into the Part 70 permit via an administrative amendment pursuant to 326 IAC 2-7-11(a)(8) which states that modifications that consist of revisions in descriptive information where the revision will not trigger a new applicable requirement or violate a permit term may be incorporated into the Part 70 permit via an administrative amendment.

To incorporate the proposed replacement, the following changes shall be made. All additional information is indicated in bold type. All deleted information is struck-out.

**1. Condition A.2:**

Condition A.2 shall be amended as follows to reflect the replacement baghouse system configuration.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]

[326 IAC 2-7-5(15)]

This book printing and binding operation source consists of the following emission units and pollution control devices:

North Plant:

.....

South Plant:

- (1) Three (3) natural gas or propane fired boilers, with a maximum rating of 25.1 MMBtu (million British thermal units) per hour each:

.....

- (3) Two (2) Paper Dust Collectors:

- (a) Dust Collector #1(S) consists of **two (2) cyclones each** followed by ~~two (2) a~~ baghouses (**2 total**) for particulate control and are exhausted through SD-6A(S) **and new exhaust point SD-6C(S).**

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**2. Unit Description of Section D.2:**

Condition A.2 shall be amended as follows to reflect the replacement baghouse system configuration.

**Facility Description [326 IAC 2-7-5(15)]: Paper Trim Cyclones and Dust Collectors**

North:

.....

South:

.....

- (3) Two (2) Paper Dust Collectors:

- (a) Dust Collector #1(S) consists of **two (2) cyclones each** followed by ~~two (2) a~~ baghouses (**2 total**) for particulate control and are exhausted through SD-6A(S) **and new exhaust point SD-6C(S).**

.....

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Scott Fulton, at (800) 451-6027, press 0 and ask for Scott Fulton or extension (3-5691), or dial (317) 233-5691.

Sincerely,

Original Signed by Paul Dubenetzky  
Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

Attachments

SDF

cc: File - Montgomery County  
U.S. EPA, Region V  
Montgomery County Health Department  
Air Compliance Section Inspector - Jim Thorpe  
Compliance Data Section - Karen Nowak  
Administrative and Development  
Technical Support and Modeling - Michele Boner

# **PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY**

**R.R. Donnelley & Sons Company  
1009 Sloan Street  
Crawfordsville, Indiana 47933**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T107-5963-00052	Date Issued: June 21, 2002
1 <sup>st</sup> Administrative Amendment No. 107-10512-00052	Date Issued: March 15, 1999
1 <sup>st</sup> Significant Permit Modification 107-16731-00052	Date Issued: March 31, 2003
2 <sup>nd</sup> Administrative Amendment No.: 107-17119-00052	Date Issued: February 4, 2003
3 <sup>rd</sup> Administrative Amendment No.: 107-17255-00052	Affected Pages: 8 and 32, with 32a added
Issued by: Original Signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: April 8, 2003

- (a) Boiler #1(S) with emissions exhausting through stack SB-4A(S).
  - (b) Boiler #2(S) with emissions exhausting through stack SB-4B(S).
  - (c) Boiler #3(S) with emissions exhausting through stack SB-4C(S).
- (2) Four (4) Paper Trim Cyclones:
- (a) Paper Trim Cyclone #1(S) emissions exhausting through stack SBP-5E(S).
  - (b) Paper Trim Cyclone #2(S) emissions exhausting through stack SBP-5E(S).
  - (c) Paper Trim Cyclone #3(S) emissions exhausting through stack SBP-5E(S).
  - (d) Paper Trim Cyclone #4(S) emissions exhausting through stack SBP-5E(S).
- (3) Two (2) Paper Dust Collectors:
- (a) Dust Collector #1(S) consists of two (2) cyclones each followed by a baghouse (2 total) for particulate control and are exhausted through SD-6A(S) and new exhaust point SD-6C(S).
  - (b) Dust Collector #2(S) consists of a baghouse for particulate control and is exhausted through SD-6B(S).
- (4) One (1) Mitsubishi heatset web offset lithographic printing press with four (4) units and two (2) webs identified as Press 262 with a maximum line speed of 1708 feet per minute and a maximum printing width of 61 inches, with associated in-line equipment, controlled by one (1) 1.894 MMBtu per hour natural gas fired thermal oxidizer ("South Oxidizer") exhausting to one (1) stack identified as SP-5N(S).
- (5) One (1) Hantscho heatset web offset lithographic printing press with four (4) units and two (2) webs identified as Press 270 with a maximum line speed of 807 feet per minute and a maximum printing width of 33 inches, with associated in-line equipment, exhausting to SP-5F(S).
- (6) One (1) Cottrell heatset web offset lithographic printing press with four (4) units and two (2) webs identified as Press 272 with a maximum line speed of 1000 feet per minute and a maximum printing width of 64 inches, with associated in-line equipment, exhausting to one (1) stack SP-5D(S).
- (7) One (1) Mitsubishi heatset web offset lithographic printing press with four (4) units and two (2) webs identified as Press 273 with a maximum line speed of 1615 feet per minute and a maximum printing width of 64 inches, with associated in-line equipment, exhausting to one (1) stack SP-5L(S).
- (8) One (1) Cottrell heatset web offset lithographic printing press with four (4) units and two (2) webs identified as Press 274 with a maximum line speed of 1000 feet per minute and a maximum printing width of 64 inches, with associated in-line equipment, exhausting to one (1) stack SP-5C(S).
- (9) One (1) Cottrell heatset web offset lithographic printing press with four (4) units and two (2) webs identified as Press 276 with a maximum line speed of 1200 feet per minute and a maximum printing width of 64 inches, with associated in-line equipment, exhausting to one (1) stack SP-5E(S).

## SECTION D.2 FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]: Paper Trim Cyclones and Dust Collectors

#### North:

##### (3) Four (4) Paper Trim Cyclones:

- (a) Paper Trim Cyclone #1(N) emissions exhausting through stack SBP-5H(N).
- (b) Paper Trim Cyclone #2(N) emissions exhausting through stack SBP-5I(N).
- (c) Paper Trim Cyclone #3(N) emissions exhausting through stack SBP-5J(N).
- (d) Paper Trim Cyclone #4(N) emissions exhausting through stack SBP-5K(N).

##### (4) Three (3) Paper Dust Collectors:

- (a) Dust Collector #1(N) consists of a cyclone followed by a baghouse for particulate control and is exhausted through SD-6A(N).
- (b) Dust Collector #2(N) consists of a baghouse for particulate control and is exhausted through SD-6B(N).
- (c) Dust Collector #3(N) consists of a cyclone and followed by two (2) baghouses for particulate control and is exhausted through SD-6C(N).

#### South:

##### (2) Four (4) Paper Trim Cyclones:

- (a) Paper Trim Cyclone #1(S) emissions exhausting through stack SBP-5E(S).
- (b) Paper Trim Cyclone #2(S) emissions exhausting through stack SBP-5E(S).
- (c) Paper Trim Cyclone #3(S) emissions exhausting through stack SBP-5E(S).
- (d) Paper Trim Cyclone #4(S) emissions exhausting through stack SBP-5E(S).

##### (3) Two (2) Paper Dust Collectors:

- (a) Dust Collector #1(S) consists of two (2) cyclones each followed by a baghouse (2 total) for particulate control and are exhausted through SD-6A(S) and new exhaust point SD-6C(S).
- (b) Dust Collector #2(S) consists of a baghouse for particulate control and is exhausted through SD-6B(S).

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

## Emission Limitations and Standards [326 IAC 2-7-5(1)]

### D.2.1 Particulate Matter (PM) [326 IAC 6-3-2]

Particulate emission limitations for Paper Trim Cyclones #1(N), #2(N), #3(N), #4(N), #1(S), #2(S), #3(S) and #4(S) shall be 10.4 pounds per hour per cyclone, established as E in the following formula:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and  
P = process weight rate in tons per hour.

The Permittee shall demonstrate compliance with this limit based on an emission factor of one pound of dust emitted per ton of paper handled,

Particulate emission limitation for Dust Collectors #1(N), #2(N), #3(N), #1(S) and #2(S) shall be 0.551 pound per hour per Dust Collector which shall be achieved by the use of baghouse pollution control devices, in accordance with Section C.1-Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour 326 IAC 6-3-2(c).